

10/537299

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re Patent Application of)
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 Hideki UMETANI et al.) Group Art Unit:
)
 Application No.:) Examiner:
)
 Filed: June 2, 2005) Confirmation No.:
)
 For: METHOD FOR PREPARING 2-)
 DEOXYALDOSES (as amended))

FIRST INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

The listed documents were either cited in the specification or the International Search Report in the corresponding PCT application.

To assist the Examiner, the documents are listed on the attached form PTO-1449. However, copies of the documents of the documents cited in the International Search Report are not provided as it is understood that they have already been transmitted by the International Bureau. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date June 2, 2005

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Substitute for form 1449A/PTO & 1449B/PTO		Completed by _____ known as _____	
FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number 10/537299 Filing Date June 2, 2005 First Named Inventor Hideki UMETANI et al. Examiner Name _____ Attorney Docket Number 018765-220	
(use as many sheets as necessary)			
Sheet	1	of	1

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	VEKEMANS et al., "Vitamin C and Isovitamin C Derived Chemistry. 3. Chiral Butenolides via Efficient 2,3-Didehydroxylations of L-Gulono, D-Mannono-, and D-Ribono-1,4-lactones," <i>J. Org. Chem.</i> , 1988 pp. 627-633, Vol. 53, No. 3, American Chemical Society*
	SHING et al., "Enantiospecific Synthesis of D-Mannono- δ -lactam from Vitamin C," <i>Journal of the Chemical Society, Chemical Communications</i> , 1988, p. 1221, No. 18*
	SORIANO et al., "Catalytic Hydrogenation of L-Ascorbic Acid (Vitamin C): A Stereoselective Process for the Production of L-Gulono-1,4-Lactone," <i>Synthetic Communications</i> , 1995, pp. 3263-3265, Vol. 25, No. 20, Marcel Dekker, Inc.*
	MADSON et al., "The oxidation of 3-deoxy-D- <i>erthro</i> -hexos-2-ulose ("3-deoxyglucosone") to 3-deoxy-D- <i>erythro</i> -2-hexulosonic acid ("2-keto-3-deoxy-D-gluconate") by D-glucose oxidase," <i>Carbohydrate Research</i> , 1983, pp. 288-291, Vol. 115, Elsevier Science Publishers B.V.*
	ZINNER et al., "Derivatives of sugar dithioacetal.XXXV., 2-Deoxy-D-threopentose, preparation and dithioacetal formation," <i>Chemische Berichte</i> , 1964, pp. 3536-3540, Vol. 97, No. 12 (German language)*
	SOWDEN, "A Convenient Method of Preparing 2-Deoxy-D-ribose," <i>J. Am. Chem. Soc.</i> , 1954, pp. 3541-3542, Vol. 76*
	BOCK et al., "Preparation of 3-Deoxy-aldonolactones by Hydrogenolysis of Acetylated Aldonolactones," <i>Acta Chemica Scandinavica</i> , 1981, pp. 155-162, Vol. B35, <i>Acta Chemica Scandinavica</i> *

*Copy attached.

Examiner Signature _____ Date Considered _____

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.